



• Application

ASTM B231 15kV Aerial Cable with AAC conductor and 3-layer Track-resistant XLPE insulation represents a pinnacle of aerial cable technology, specifically engineered to meet the demands of overhead primary and secondary distribution systems. It finds wide-ranging applications in overhead distribution systems, including:

Primary Distribution: Suitable for primary distribution lines operating at 15kV nominal voltage, where reliability and performance are paramount.

Secondary Distribution: Ideal for secondary distribution networks, ensuring efficient power delivery to residential, commercial, and industrial consumers.

• Advantage

Tree Wire Applications: Used extensively in tree wire configurations, where the cable is installed flatly with proper spacing to minimize the risk of contact-related faults.

Spacer Cable Systems: Well-suited for spacer cable installations, offering uniform spacing in diamond configurations to maximize efficiency and space utilization.

• Construction

Conductor: AAC (1350-H19, compact stranded).

Conductor Shield: Extruded semiconducting thermoplastic shield, freely stripping from the conductor and bonded to the covering.

Inner and Outer Covering: A 2-layer system comprising crosslinked polyethylene (XLPE), with the outer layer being track-resistant (TK-XLPE). All layers are firmly bonded together. The outer layer is available in black or gray, resistant to sunlight, and track-resistant.

• Specification

These medium aerial cable AAC 3-layer Track-resistant XLPE are manufactured and tested to meet or exceed the following standards:

-ASTM B230 – Aluminum 1350–H19 Wire for Electrical Purposes

-ASTM B231 – Concentric-Lay-Stranded Aluminum 1350 Conductors

-ASTM B400 – Compact Round Concentric-Lay-Stranded Conductors

-ASTM D2656 – Cross-linked Polyethylene Insulation for Wire and Cable Rated 2001 to 35000V

-ICEA S-121-733 – Tree Wire and Messenger Supported Spacer Cable

• Eastful Cable Lab



We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction.

CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

• Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TÜV Rheinland and CCS.



• National Green Factory



Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China. We are committed to the development of high-end, intelligent and green manufacturing industry.

*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

● Technical Parameters

Conductor Size	Conductor Stranding	Conductor Dia.	Conductor Shield Thickness	Covering Thickness Inner Layer	Covering Thickness Outer Layer	Overall Dia.	Conductor Weight	Total Weight	Rated Strength
AWG or kcmil		inch	inch	inch	inch	inch	lb/FT	lb/FT	lb/FT
1/0	7	0.336	0.015	0.075	0.075	0.666	98.9	212	1990
2/0	7	0.376	0.015	0.075	0.075	0.706	124.8	247	2510
3/0	7	0.423	0.015	0.075	0.075	0.753	157.2	290	3040
4/0	7	0.475	0.015	0.075	0.075	0.805	198.4	343	3830
266.8	19	0.537	0.015	0.075	0.075	0.867	250.1	409	4970
336.4	19	0.603	0.015	0.075	0.075	0.933	315.5	489	6150
397.5	19	0.659	0.015	0.075	0.075	0.989	372.9	560	7110
477	19	0.722	0.015	0.075	0.075	1.052	446.8	648	8360
556.5	37	0.78	0.02	0.075	0.075	1.12	521.3	743	9940
636	37	0.835	0.02	0.075	0.075	1.175	596.1	831	11400
795	37	0.932	0.02	0.08	0.08	1.292	745.3	1020	13900